

Title (en)
SHAFT COOLER

Title (de)
SCHACHTKÜHLER

Title (fr)
REFROIDISSEUR DE PUITS

Publication
EP 0934498 A1 19990811 (DE)

Application
EP 97945858 A 19971018

Priority

- DE 19643699 A 19961023
- DE 29618460 U 19961023
- DE 29707180 U 19970422
- EP 9705759 W 19971018

Abstract (en)
[origin: WO9817959A1] The invention concerns a shaft cooler which, instead of side walls, comprises in its cooling unit (2) metal side panels (32) which extend on the laterally outer pipes (22) between the walls.

IPC 1-7
F27D 15/02; F28D 7/00; F28F 1/04

IPC 8 full level
F27D 15/02 (2006.01); **F28D 7/00** (2006.01); **F28F 1/04** (2006.01); **F28F 13/06** (2006.01)

CPC (source: EP)
F27D 15/0286 (2013.01); **F28D 7/0058** (2013.01); **F28F 1/04** (2013.01); **F28F 13/06** (2013.01)

Citation (search report)
See references of WO 9817959A1

Cited by
DE102006045807A1; WO2008037309A1; WO2011015339A1; DE102009036119A1; EP3285036B1

Designated contracting state (EPC)
BE FR GB IT NL SE

DOCDB simple family (publication)
WO 9817959 A1 19980430; EP 0934498 A1 19990811; EP 0934498 B1 20010926

DOCDB simple family (application)
EP 9705759 W 19971018; EP 97945858 A 19971018